1 Visualizing geospatial data

Theresa Marie Rhyne, Alan MacEachren, Theresa-Marie Rhyne

August 2004 **SIGGRAPH '04:** SIGGRAPH 2004 Course Notes
Publisher: ACM

This course reviews concepts and highlights new directions in GeoVisuali review four levels of integrating geospatial data and geographic informat (GIS) with scientific and information visualization (VIS) methods. These

2 Activity recognition via user-trace segmentation

Jie Yin, Qiang Yang, Dou Shen, Ze-Nian Li

August 2008 **Transactions on Sensor Networks (TOSN)** , Volume 4 Issue 4
Publisher: ACM

A major issue of activity recognition in sensor networks is automatically user's high-level goals accurately from low-level sensor data. Traditional this problem involve the use of a location-based sensor model that predi

Keywords: Activity recognition, motion patterns, segmentation

3 MiddleWhere: a middleware for location awareness in ubiquitous con applications

Anand Ranganathan, Jalal Al-Muhtadi, Shiva Chetan, Roy Campbell, M. Der

October 2004 **Middleware '04:** Proceedings of the 5th ACM/IFIP/USENIX in conference on Middleware
Publisher: Springer-Verlag New York, Inc.

Location awareness significantly enhances the functionality of ubiquitous services and applications, and enriches the way they interact with users the environment. Many different alternative or complementary location s

4

Discovering personally meaningful places: An interactive clustering a
Changqing Zhou, Dan Frankowski, Pamela Ludford, Shashi Shekhar, Loren
July 2007 **Transactions on Information Systems (TOIS)** , Volume 25 Issue
Publisher: ACM
Full text available: Pdf (817.87 KB) Additional Information: full citation, abstract, referen

Bibliometrics: Downloads (6 Weeks): 33, Downloads (12 Months): 255, Citatio

The discovery of a person's meaningful places involves obtaining the phy
and their labels for a person's places that matter to his daily life and rou
problem is driven by the requirements from emerging location-aware ap

Keywords: Ubiquitous computing, clustering algorithms, field studies, lo
applications, place discovery

5 Smart identification frameworks for ubiquitous computing application
Kay Römer, Thomas Schoch, Friedemann Mattern, Thomas Dübendorfer
November 2004 **Wireless Networks** , Volume 10 Issue 6
Publisher: Kluwer Academic Publishers
Full text available: Pdf (404.91 KB) Additional Information: full citation, abstract, referen
terms

Bibliometrics: Downloads (6 Weeks): 24, Downloads (12 Months): 216, Citatio

We present our results of the conceptual design and the implementation
computing applications using smart identification technologies. First, we
technologies and their potential application areas, then give an overview

Keywords: Jini, RFID tags, ubiquitous computing, virtual counterparts,

6 Situational visualization
David M. Krum, William Ribarsky, Christopher D. Shaw, Larry F. Hodges, N
November 2001 **VRST '01:** Proceedings of the ACM symposium on Virtual re
and technology
Publisher: ACM
Full text available: Pdf (1.12 MB) Additional Information: full citation, abstract, referen

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 57, Citation

In this paper, we introduce a new style of visualization called *Situational*
which the user of a robust, mobile visualization system uses mobile com
to enhance the experience and understanding of the surrounding ...

Keywords: dynamic databases, location and time-specific user input, lo
services, mobile users and collaborators, real-time acquisition and insert
synchronized databases